## PATENT ABSTRACTS OF JAPAN

(11) Publication number:

2002-251167

(43) Date of publication of application: 06.09.2002

(51)Int.CI.

G09G 3/30

G09G 3/20

H05B 33/08

H05B 33/14

(21)Application number: 2001-050921

(71)Applicant: SANYO ELECTRIC CO LTD

(22)Date of filing:

26.02.2001

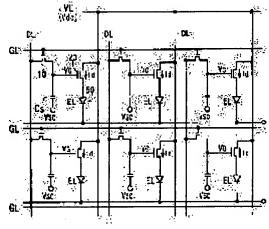
(72)Inventor: FURUMIYA NAOAKI

## (54) DISPLAY DEVICE

## (57)Abstract:

PROBLEM TO BE SOLVED: To control power consumption in a display device having current- driven elements such as electroluminescence.

SOLUTION: In this display device, a current control circuit 300 is provided between a power source circuit 200 and a power source line VL supplying driving currents to organo-EL (electroluminescent) elements 50 provided in respective light emitting pixels of a display panel and the amount of a current flowing from the power source circuit 200 into the power source line VL is detected and when the amount of the current is increased, a power source voltage Vdd to be applied to the line VL is lowered and, as a result, currents made to flow through the organo-EL elements 50 are reduced. Or, contrasts and luminance levels of display data to be supplied to respective EL elements 50 are controlled in accordance with the detected amount of the current and when the amount of the current is increased, the currents made to flow through the organo-EL elements 50 are controlled by lowering the contrasts and luminance levels of



the display data. By these methods, the amount of currents made to flow through the organo-EL elements 50 is controlled and the power consumption of the display device can be controlled so as not becomes excessively large.

## **LEGAL STATUS**

[Date of request for examination]

[Date of sending the xaminer's decision of rejection

[Kind of final disposal of application other than the examiner's decision of rej ction or application converted registration]